ASUS P7P55D Deluxe

Xtreme Design - Hybrid Series, Designed to Perform

- Intel LGA1156 Platform / Intel® P55 Express Chipset
- TurboV EVO / TurboV Remote
- ASUS 24 Hybrid Phase Design
- Quad-GPU SLI & Quad-GPU CrossFireX Support!
- ASUS Drive Xpert
- MemOK!

CPU	Intel® Socket 1156 Core™ i7 Processor/Core™ i5 Processor/ Supports Intel® Turbo Boost Technology
Chipset	Intel® P55 Express Chipset
Memory	4 x DIMM, Max. 16 GB, DDR3 2200(O.C.)*/1600/1333 Memory Dual Channel memory architecture Supports Intel® Extreme Memory Profile (XMP) *Hyper DIMM support is subject to the physical characteristics of individual CPUs. Some hyper DIMMs only support one DIMM per channel. Please refer to Memory QVL for details. **Refer to www.asus.com or this user manual for the Memory QVL(Qualified Vendors Lists).
Expansion Slots	2 x PCIe 2.0 x16 (single at x16 or dual at x8/x8 mode) 1 x PCI Express 2.0 x16 slots (at x4 mode, 2.5GT/s) 2 x PCI Express 2.0 x1 (2.5GT/s) 2 x PCI
Multi-GPU Support	Supports NVIDIA® Quad-GPU SLI™ Technology Supports ATI® Quad-GPU CrossFireX™ Technology
Storage	**Intel® P55 Express Chipset built-in** 6 xSATA 3.0 Gb/s ports Intel Matrix Storage Technology Support RAID 0,1,5,10 **JMicron® JMB363 PATA and SATA controller** 1 xUltraDMA 133/100/66 for up to 2 PATA devices 1 xSATA 3Gb/s port (black) **JMicron® JMB322 (Drive Xpert Technology) :** - 2 x SATA 3.0 Gb/s ports (navy blue and gray) - Supports EZ Backup and SuperSpeed functions *Drive Xpert function is available only when the hard disk drives are set as data drives.
LAN	Dual Gigabit LAN controllers Realtek® 8112L / 8110SC Gigabit LAN controller featuring AI NET2 and Teaming
Audio	VIA® VT2020 10-Channel High Definition Audio CODEC - Absolute Pitch BD192/24 featuring ENVY HD - DTS Surround Sensation UltraPC - BD audio layer Content Protection - Supports Jack-Detection, Multi-streaming, Front Panel Jack-Retasking - Coaxial / Optical S/PDIF out ports at back I/O
IEEE 1394	VIA® 6308P controller supports 2 x 1394a ports (one at mid-board; one at back panel)
USB	14 USB 2.0/1.1 ports (6 ports at mid-board, 8 ports at back panel)
ASUS Unique Features	**ASUS Hybrid Processor - TurboV EVO** - Auto Tuning, TurboV and Turbo Key - TurboV Remote **ASUS 24 Hybrid Phase Design*** - T.Probe Technology for Active Cooling

	- 16+3 Phase Power Design - 100% Ultra Long Life Japan-Made Solid Capacitors *24 Hybrid Phase = 16+3 Phase x T.Probe **ASUS Hybrid OS - Express Gate** **ASUS Xtreme Design** **ASUS Exclusive Features** - ASUS Drive Xpert - MemOK! - ASUS EPU **ASUS Quiet Thermal Solution** - ASUS Fanless Design: Heat-pipe solution - ASUS Fanless Design: Stack Cool 3+ - ASUS Fan Xpert **ASUS Crystal Sound** - ASUS Noise Filter **ASUS EZ DIY** - ASUS Q-Shield - ASUS Q-Connector - ASUS O.C. Profile - ASUS CrashFree BIOS 3 - ASUS EZ Flash 2 - ASUS MyLogo 2 - Multi-language BIOS **ASUS Q-Design** - ASUS Q-LED (CPU, DRAM, VGA, Boot Device LED) - ASUS Q-Slot - ASUS Q-DIMM
Overclocking Features	**Precision Tweaker 2** - vCore: Adjustable CPU voltage at 0.00625V increment - vIMC: Adjustable IMC voltage at 0.00625V increment - vDRAM Bus: 81-step DRAM voltage control - vPCH: 2-step chipset voltage control - vCPU_PLL: 4-step reference voltage control **SFS (Stepless Frequency Selection)** - PCI Express frequency tuning from 100MHz up to 200MHz at 1MHz increment - Internal Base Clock tuning from 80MHz up to 500MHz at 1MHz increment **Overclocking Protection** - ASUS C.P.R.(CPU Parameter Recall)
Back Panel I/O Ports	1 x IEEE 1394a 2 x LAN(RJ45) port 8 x USB 2.0/1.1 10 -Channel Audio I/O 1 x Clr CMOS switch 1 x PS/2 Keyboard (Purple) 1 x PS/2 mouse port (Green) 1 x Coaxial S/PDIF Output 1 x Optical S/PDIF Output
Internal I/O Connectors	3 x USB connectors support additional 6 USB ports 1 x IDE connector 7 x SATA connectors 1 x IEEE 1394a connector 1 x CPU Fan connector 1 x Power Fan connector 2 x Drive Xpert SATA connectors (navy blue and gray) 2 x Chassis Fan connector (1x4-pin, 1x3-pin) Front panel audio connector 1 x S/PDIF Out Header 1 x CD audio in 1 x 24-pin ATX Power connector

	1 x 8-pin ATX 12V Power connector System Panel(Q-Connector) 1 x TURBO_CON header (for TurboV Remote) 1 x MemOK! button 1 x Power on switch 1 x Reset switch
BIOS	16 Mb Flash ROM , AMI BIOS, PnP, DMI2.0, WfM2.0, SM BIOS 2.5, ACPI 2.0a, Multi-language BIOS, ASUS EZ Flash 2, ASUS CrashFree BIOS 3
Manageability	WfM 2.0,DMI 2.0,WOL by PME,WOR by PME,PXE
Accessories	1 x TurboV Remote 1 x 2-port USB and eSATA module ASUS Q-Shield 1 x ASUS SLI bridge connector User's manual 1 x UltraDMA 133/100/66 cable 6 x SATA cable(s) 2 in 1 Q-connector
Support Disc	Drivers Anti-virus software (OEM version) ASUS Update ASUS Utilities
Form Factor	ATX Form Factor 12 inch x 9.6 inch (30.5 cm x 24.4 cm)

LGA1156 Intel® Lynnfield Processor Ready

This motherboard supports the latest Intel® Lynnfield processors in LGA1156 package which has memory and PCI Express controller integrated to support 2-channel (4 DIMMs) DDR3 memory and 16 PCI Express 2.0 lanes providing great graphics performance. Intel® Lynnfield processor is one of the most powerful and energy efficient CPU in the world.

Quad-GPU SLI and Quad-GPU CrossFireX Support!

Flexible Multi-GPU solutions, Your Weapon of Choice!
P7P55D Deluxe brings you the multi-GPU choice of either SLI™ or CrossFireX. The motherboard features the most powerful Intel P55 platform to optimize PCIe allocation in multiple GPU configurations. Expect a brand-new gaming style you've never experienced before!